

FIG. 1

FIG. 2

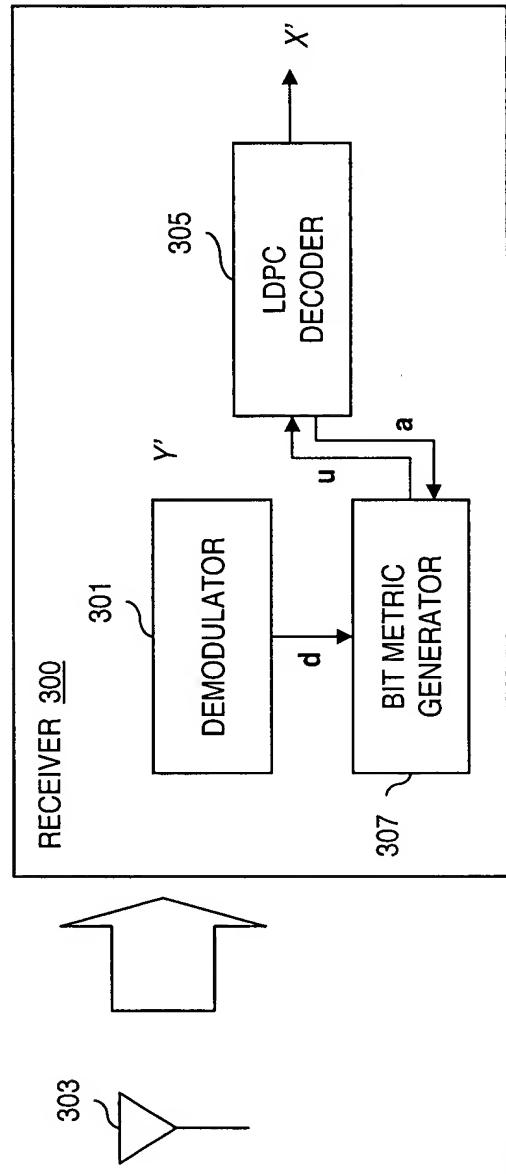
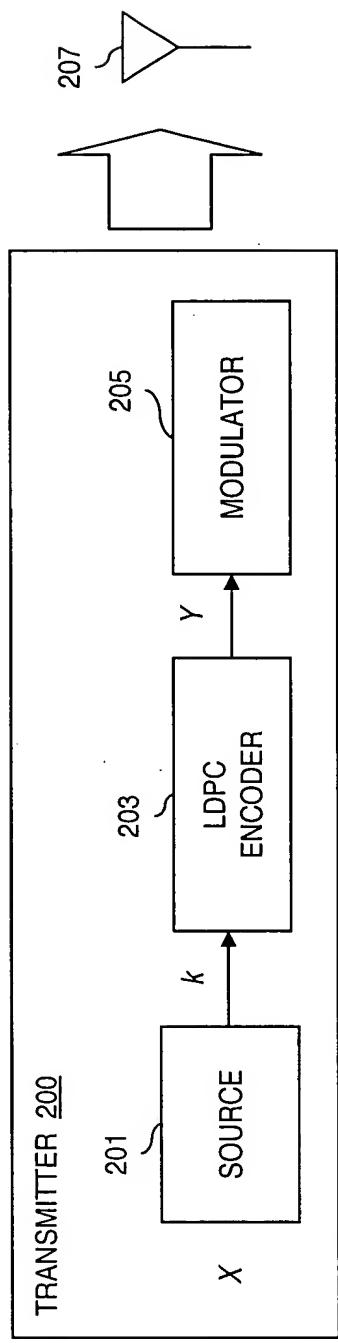
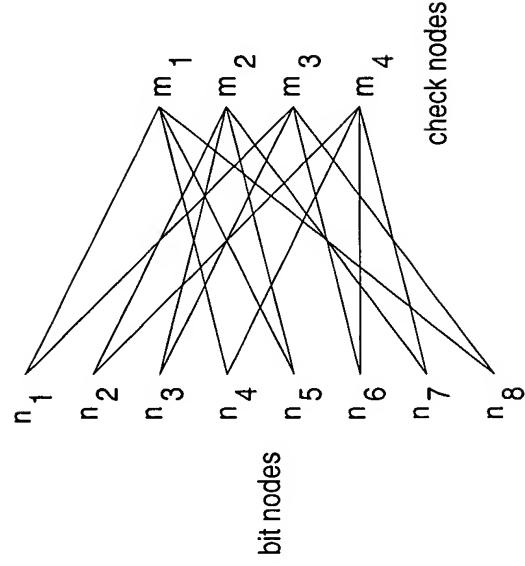


FIG. 3

FIG. 4

$$H = \left[ \begin{array}{cccc|cc} n_1 & n_2 & n_3 & n_4 & n_5 & n_6 & n_7 & n_8 \\ 1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 0 & 0 & 1 & 0 & 0 \\ 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & 1 & 0 & 1 & 1 & 0 \end{array} \right] \left[ \begin{array}{c} m_1 \\ m_2 \\ m_3 \\ m_4 \end{array} \right]$$

FIG. 5



$$B = \left[ \begin{array}{cccc|c} 1 & & & & & 0 \\ x & 1 & & & & \\ x & x & 1 & & & \\ x & x & x & 1 & & \\ x & x & x & x & 1 & \\ x & x & x & x & x & \end{array} \right]$$

FIG. 6

FIG. 7

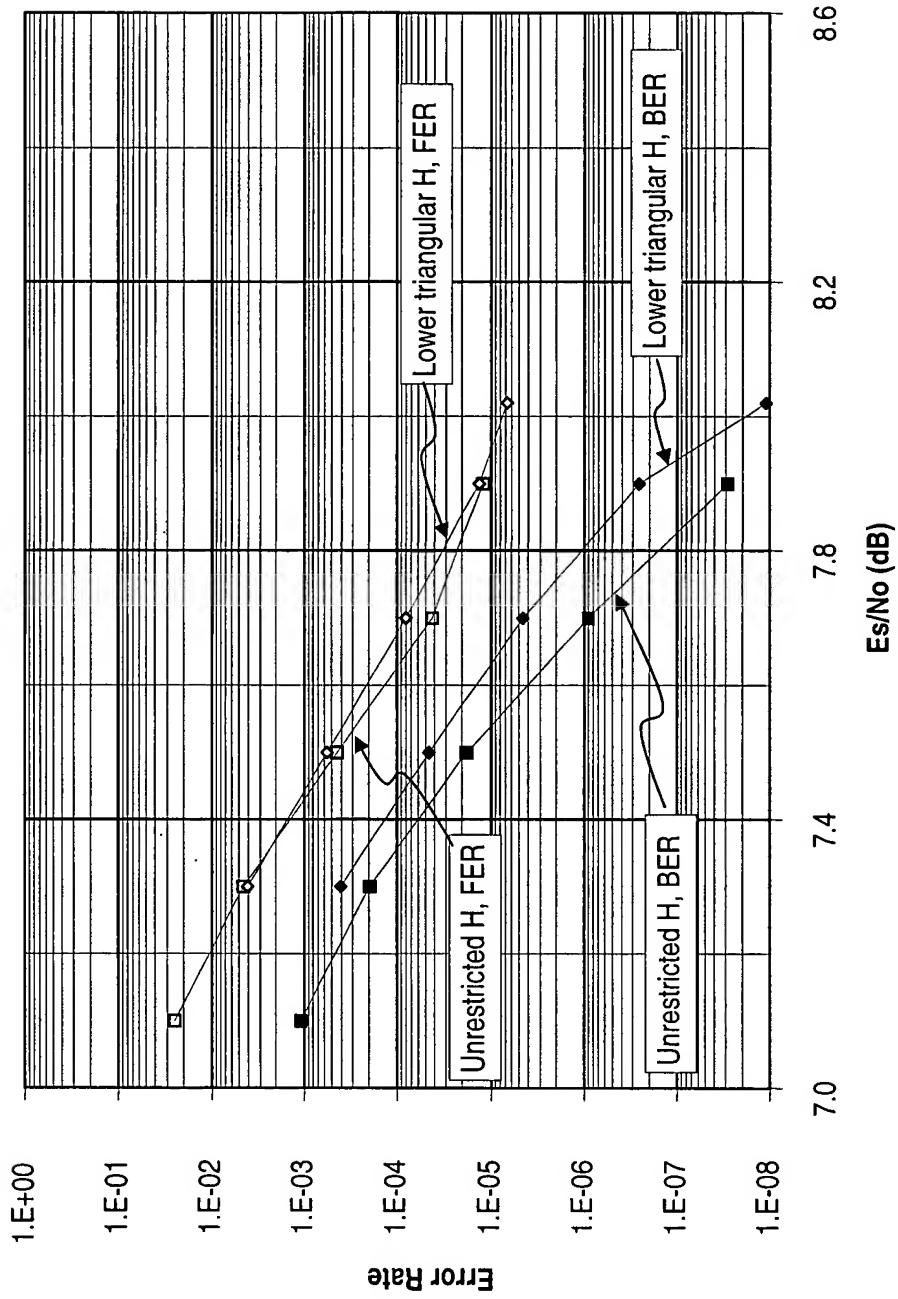


FIG. 8A

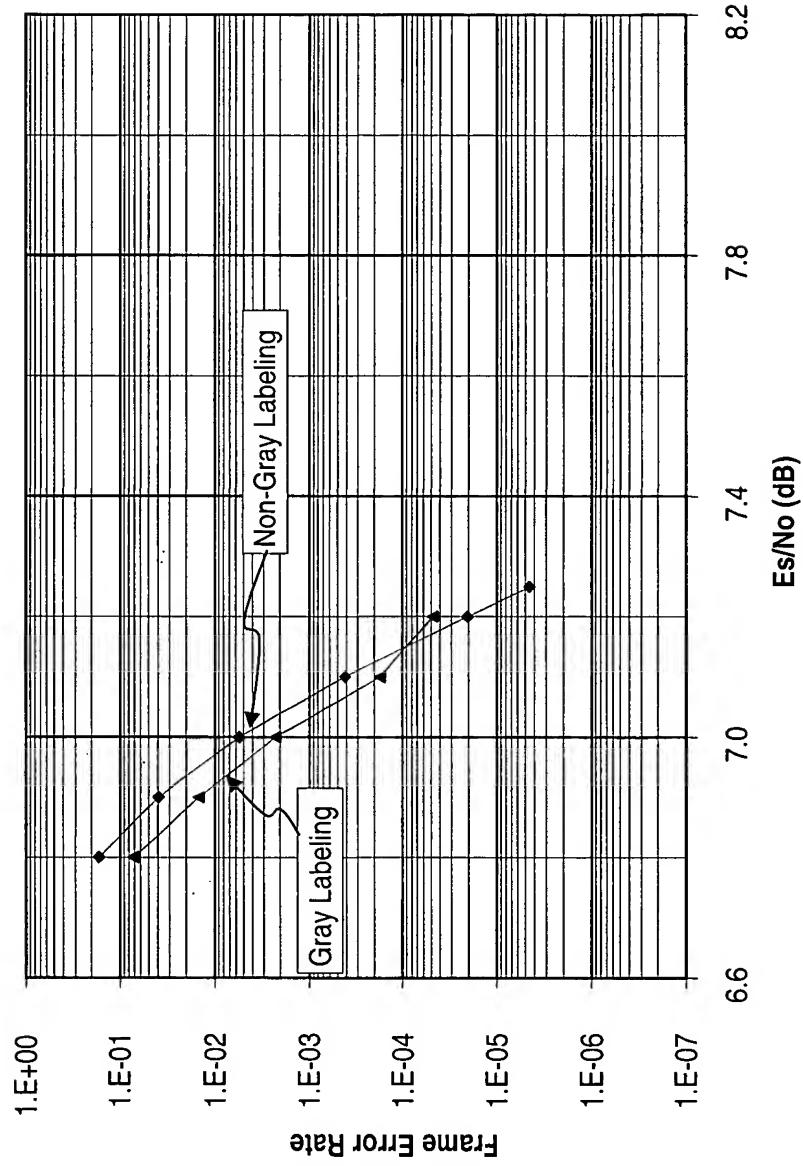
010  
011  $\circ s_3$   $s_2$   $s_1 \circ 001$   
110  $\circ s_6$   $s_0 \circ 000$   
111  $\circ s_7$   $s_5 \circ 101$   
100

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FIG. 8B

010  
011  $\circ s_7$   $s_5$   $s_4 \circ 001$   
111  $\circ s_6$   $s_0 \circ 000$   
110  $\circ s_2$   $s_3 \circ 101$   
100

FIG. 9



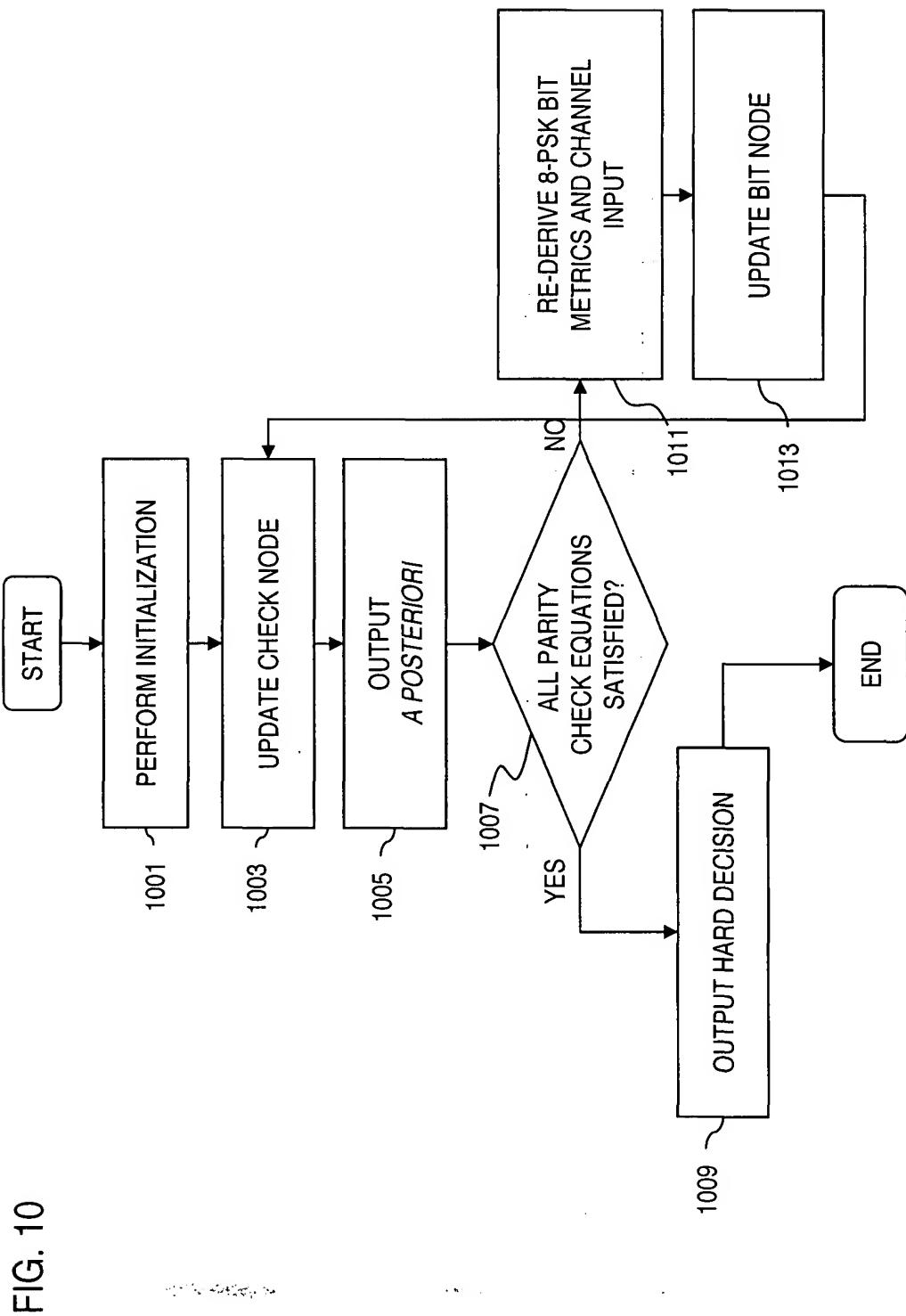


FIG. 11

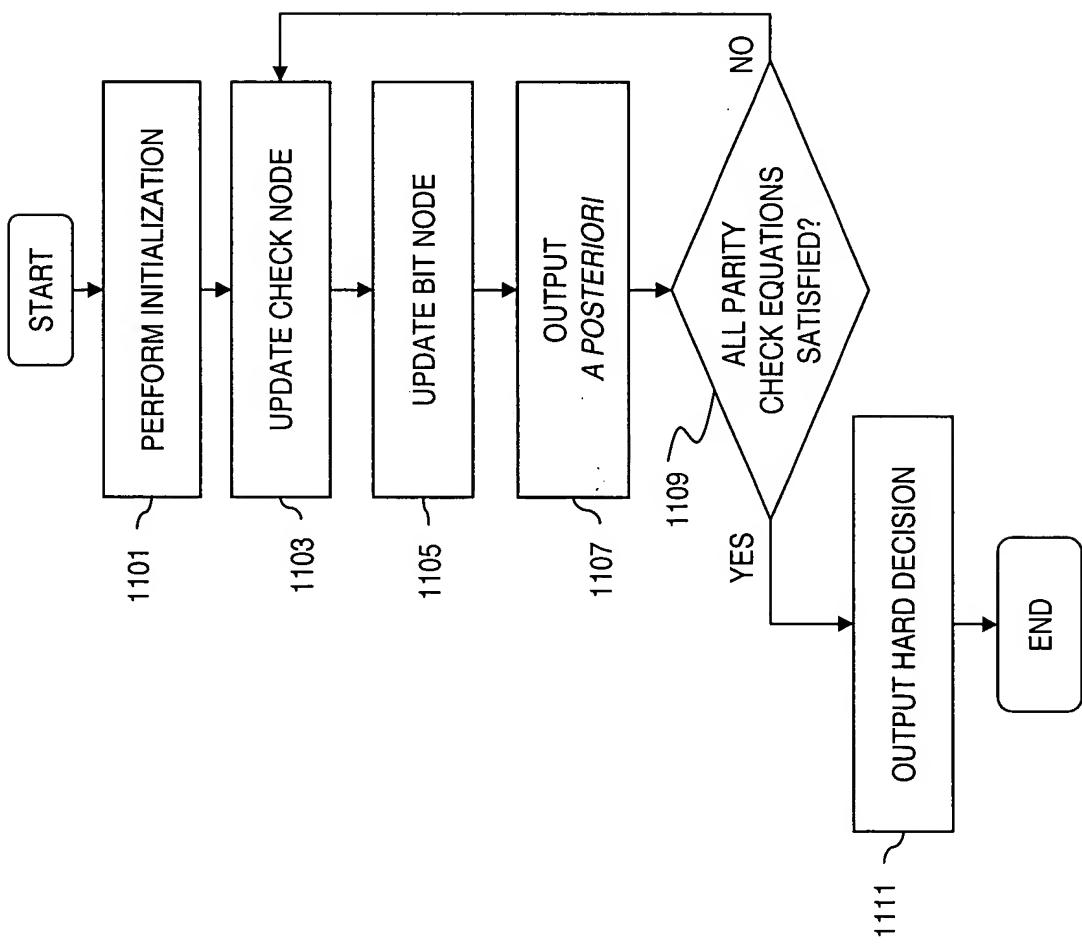


FIG. 12A

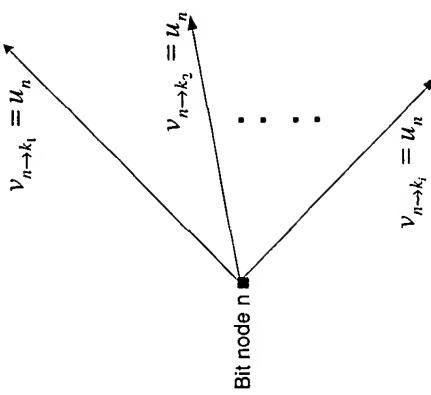


FIG. 12C

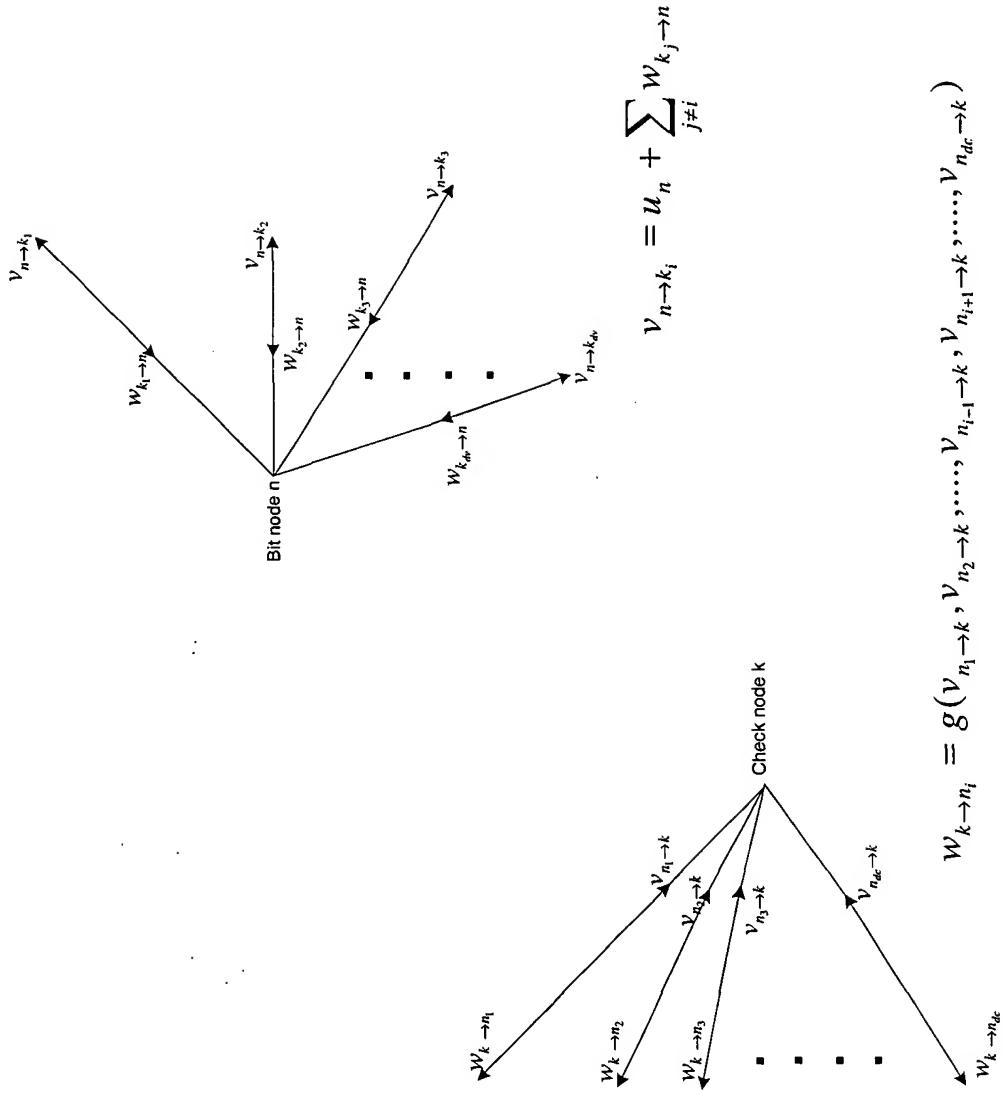


FIG. 12B

$$w_{k \rightarrow n_i} = g(v_{n_1 \rightarrow k}, v_{n_2 \rightarrow k}, \dots, v_{n_{i-1} \rightarrow k}, v_{n_{i+1} \rightarrow k}, \dots, v_{n_{dc} \rightarrow k})$$

$$v_{n \rightarrow k_i} = u_n + \sum_{j \neq i} w_{k_j \rightarrow n}$$

FIG. 13A

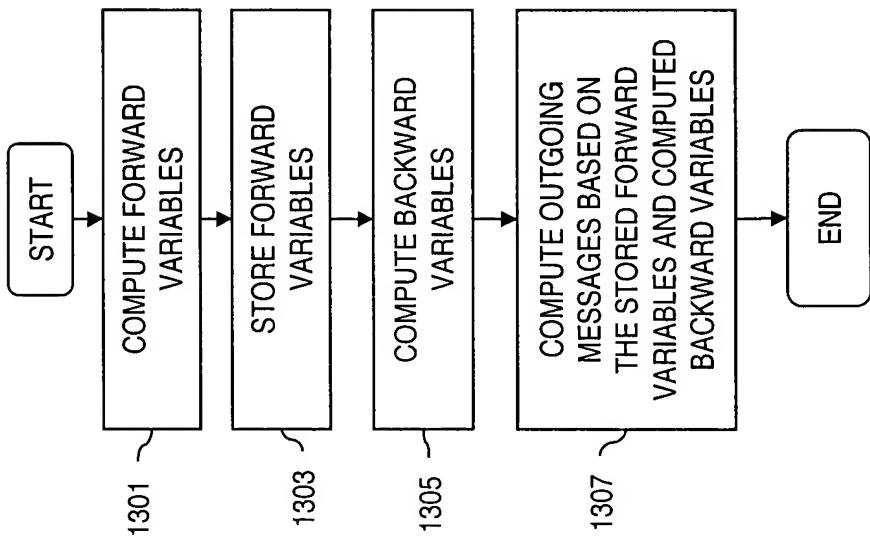


FIG. 13B

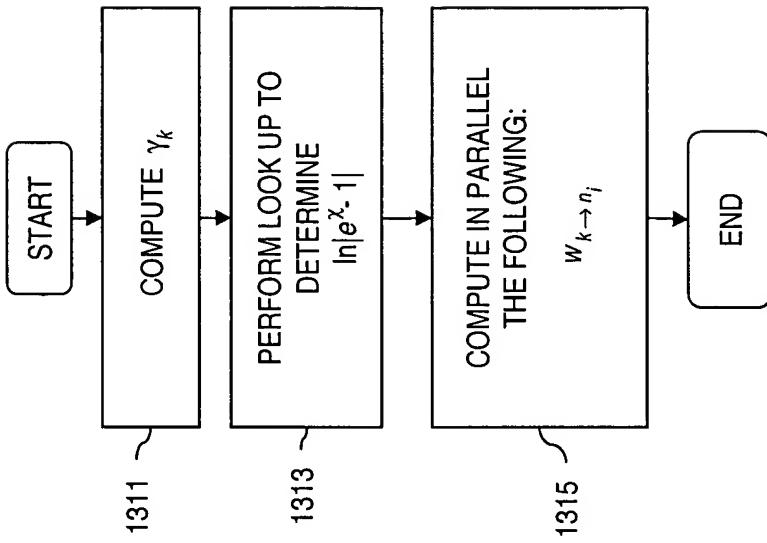


FIG. 14A

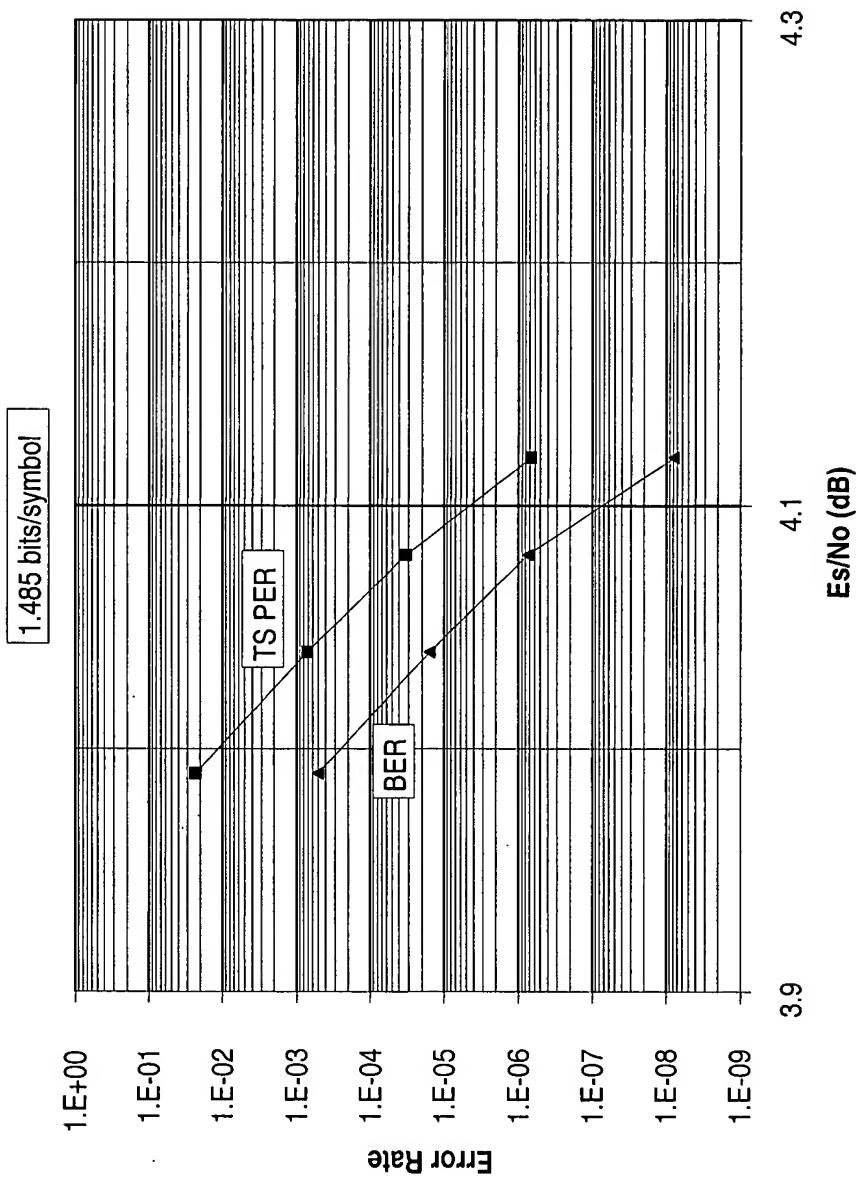


FIG. 14B

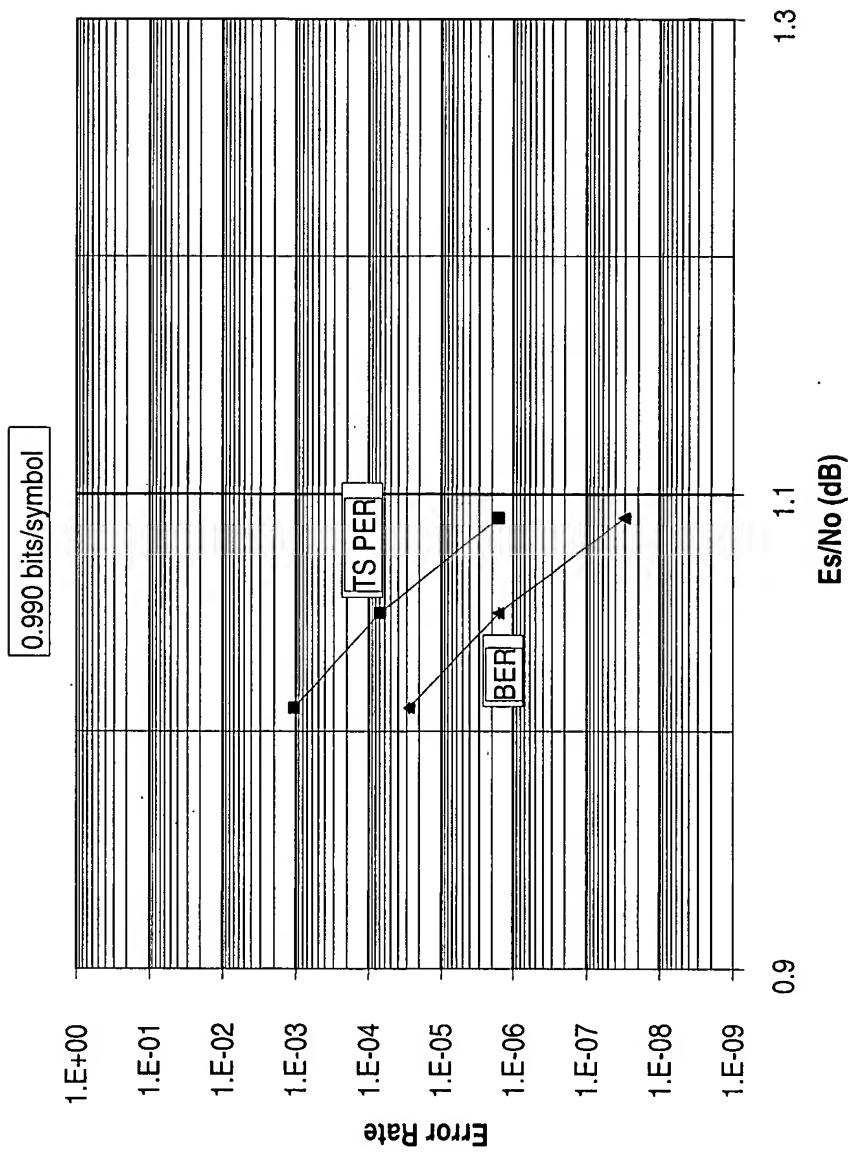
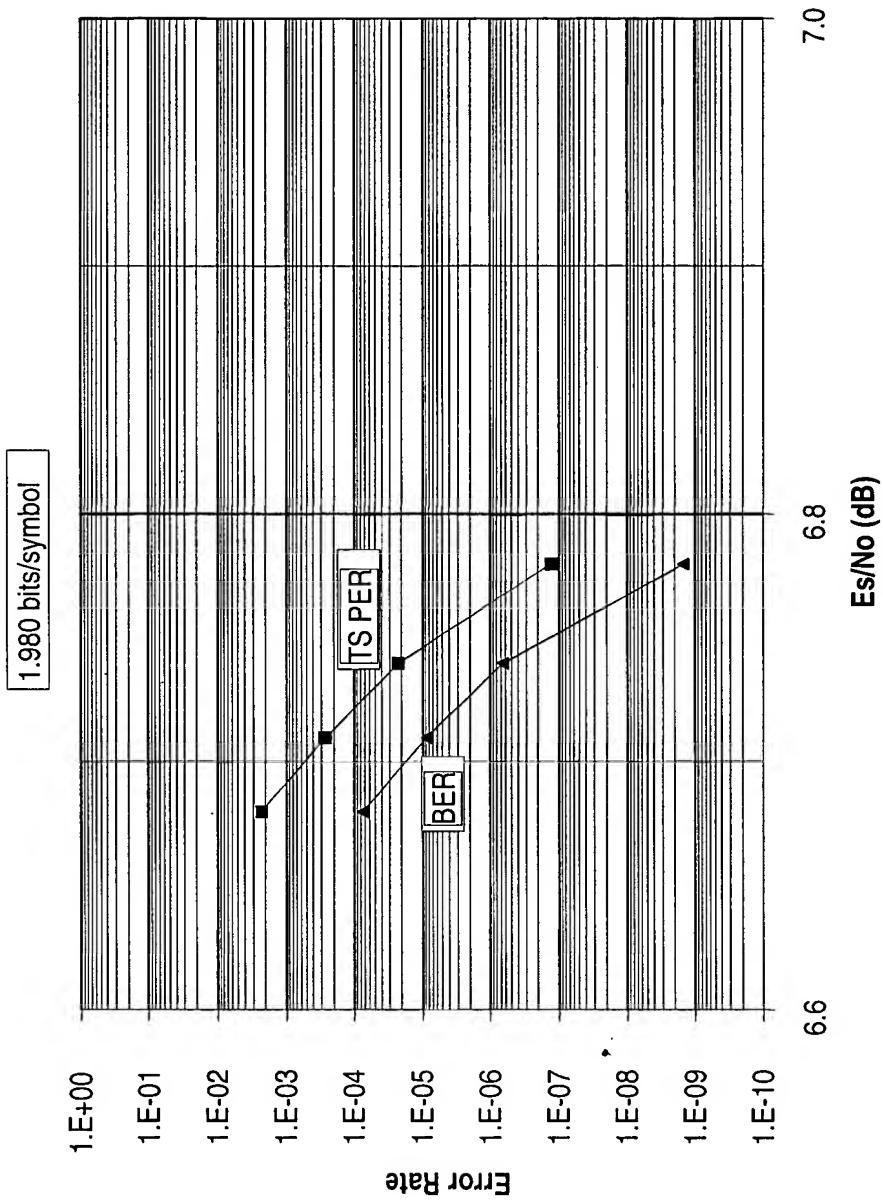


FIG. 14C



0	$nq$	391nq	
1	$nq+1$	391nq+1	
2	$nq+2$	391nq+2	
3	$nq+3$	391nq+3	
4	$nq+4$	391nq+4	
		...	
			392nq-1

$\left\{ \begin{array}{c} 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ \vdots \\ q-1 \end{array} \right.$        $\left\{ \begin{array}{c} nq \\ nq+1 \\ nq+2 \\ nq+3 \\ nq+4 \\ \vdots \\ nq-1 \end{array} \right.$

1501

FIG. 15A

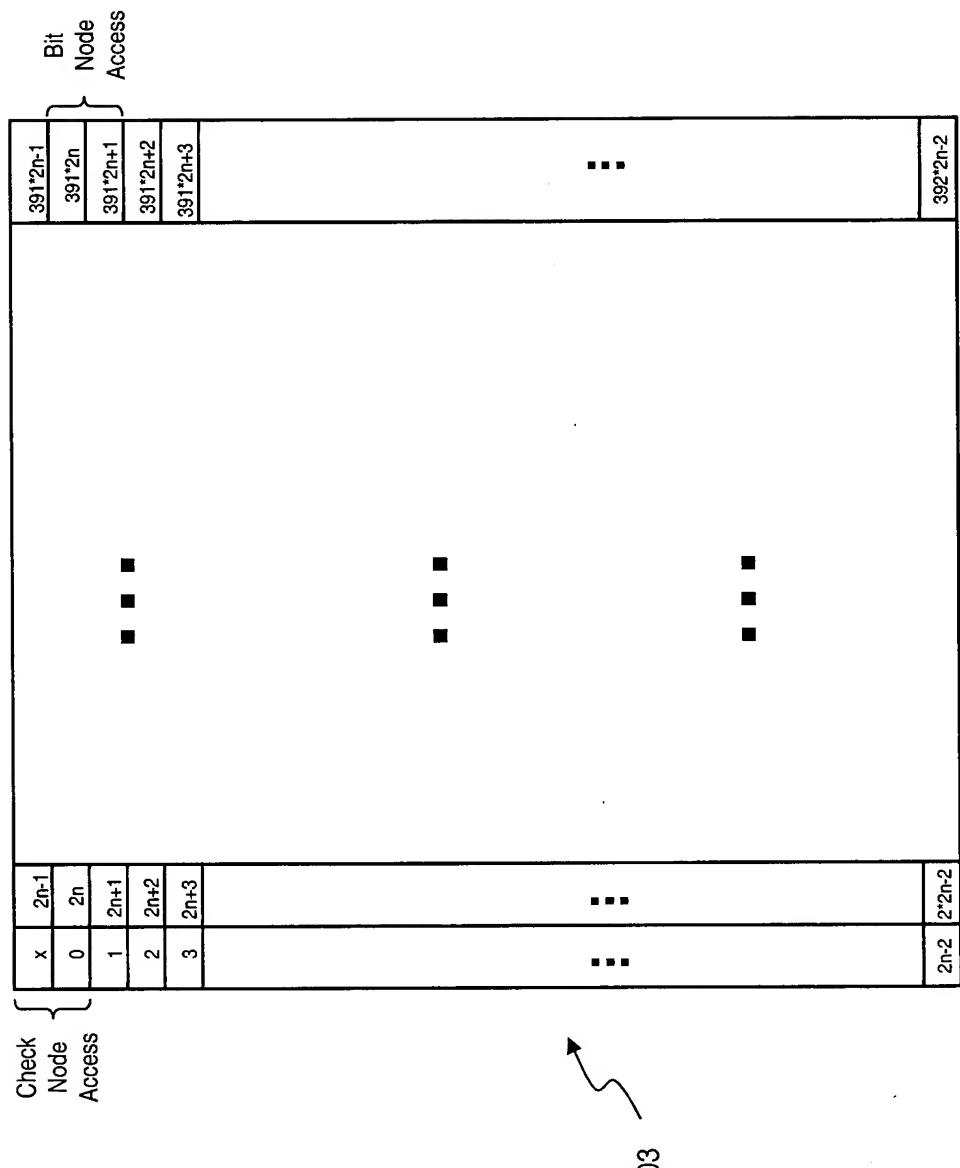


FIG. 15B

1503

FIG. 16

